Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Wednesday 12 Apr 2023 until 23:59 on Thursday 13 Apr 2023

Forecast Issued on Tuesday 11 Apr 2023 at 17:09

Confidence: High for unsettled and cool conditions with hill snow, and for transition towards more settled conditions Saturday. Lower for timing of rain bands and for maximum wind strengths on Wednesday and Thursday.

Headline for Wednesday 12 Apr 2023: Bright start. Then cloudy and unsettled with isolated wintry showers, heavy at times, merging to longer snowy spells. Strong and gusty winds with a risk of gales and perhaps blizzards at height.

Mountain weather hazards on Wednesday 12 Apr 2023

Blizzards Low Likelihood	**Heavy persistent snow** Low Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Sleet showers (night)	Light snow showers	Light snow showers	Sleet	Light snow	Sleet	Light rain
Precipitation probability							
20%	40%	40%	40%	60%	60%	40%	30%

Forecast for Wednesday 12 Apr 2023

Weather: A cold start with clear spell, patches of frost and ice, and isolated blustery showers. Showers likely falling as snow above 600m. Areas of precipitation will push in from the west by late-morning, with showers merging to give long spells of rain and hill snow. Low confidence in details. Thundery downpours also possible at times during daylight hours. Snow gradually falling to lower levels, perhaps 400m by mid-afternoon. These bands clearing to the east during the evening, with further showers possible overnight. Frost and ice patches developing under clearing skies overnight.

Chance of cloud-free hill tops above 600m: 60% in the west, 80% in the east, falling to 20% by the afternoon. Improving to 80% by midnight.

Low cloud and visibility: Wintry showers or persistent snow combined with strong and gusty winds may lead to blizzard conditions above 400m and very poor visibility. Low cloud spreading east and lowering by midday, with bases down to 300-500m, perhaps down to lower slopes in the west. Best of bases across the east of the Peaks. Sudden deterioration of cloud bases likely in wintry precipitation which could give prolonged periods of very poor visibility. Cloud clearing late in the evening, with wintry showers occasionally obscuring bases above 600m. Visibility excellent outside of showers.

Check our weather forecast every day to get the most accurate and up to date information
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Met Office Mountain Weather Forecast

Forecast for Wednesday 12 Apr 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	30/40 SW	24/33 SW	24/33 SW	26/36 S	28/40 S	22/31 SW	24/33 W	31/43 W	32/45 W
300	23/33 SW	16/25 SW	18/27 SW	22/33 S	23/35 S	18/27 SW	18/28 W	25/38 W	24/38 W
Valley	15/31 SW	10/24 SW	12/26 SW	16/31 S	18/35 S	13/25 SW	14/28 W	18/38 W	18/37 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	0/-7	-0/-8	-1/-8	0/-7	1/-6	2/-5	2/-5	2/-6	2/-6
300	3/-3	2/-3	1/-4	3/-3	3/-3	4/-1	4/-1	4/-1	4/-2
Valley	4/-1	2/-2	2/-3	4/-1	4/-1	5/1	5/1	5/0	5/-0
Freezing Level*	600m	400m	400m	400m	600m	700m	700m	800m	800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts of 35-45 mph will give difficult conditions with a risk of being blown off balance. Be prepared for sudden strong gusts on lee slopes and exposed ridges. Combination of snow, strong winds and low cloud will give a notable wind chill.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Tue 11 Apr 2023	10.8mm	22mm	22mm

Forecast for Thursday 13 Apr 2023

Weather: A cold and frosty start with a chance of ice patches. Perhaps cloudier across the north of the park at first. Then bright and breezy day, with long sunny spells and a chance of isolated showers. These will be much lighter than on Wednesday but may still fall as a wintry mix over highest hills. Skies largely clearing later.

Maximum wind: Southwest 20-30 mph veering westerly 10-15 mph by evening.

Chance of cloud-free hill tops above 600m: 40% becoming 80%. Lowest bases in showers and in the west.

Low cloud and visibility: Cloud bases will largely remain above summits, perhaps shrouding summits above 800m at times during the morning, particularly across western slopes. Cloud bases falling to around 600m in and around showers. Visibility excellent with distant hills clearly visible, but poor or very poor in any showers.

Temperature: **Valleys:** Plus 3 Celsius increasing Plus 9 Celsius
At 600m: 0 Celsius rising to Plus 5 Celsius
Freezing level: 700m rising above summits.

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